UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
hone: (281)983-2100 Fax: (281)983-2248 Phone: (281)983-2100

Final Analytical Report

	Site Name	Oil Trust Fund
	Sample Collection Date	e(s) 07/21/10
	Contact	Rich Mayer (6PD-F)
	Report Date	07/27/10
	Project #	10REG209
	Work Order(s)	1007032
Analyses included in this rep	oort:	
LC DOSS		
Report Narrative		
DOGG.		
DOSS:		
DOSS was not found in t	he samples at or above the	reporting limit.
	results. The results apply	lity control were followed in the analysis and only to the samples tested. This final report
Reporting limits are adju	sted for sample size and m	atrix interference.
Report Approvals:		
Richard McMillin Region 6 Laboratory Manag	ger	David Neleigh Region 6 Laboratory Branch Chief

THITED STATES

Please provide a reason for holding:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund Project Number: 10REG209					
Data Management Coordinator: Christy Warren	/ /				
Data Management Coordinator Signature	Date				
Date Transmitted:/					
Please have the U.S. EPA Project Manager/Officer cacomments or questions.	all the Data Management Coordinator at 3-2137 for any				
Please sign and date this form below and return it wit	th any comments to:				
Christy Warren Data Management Coordinator Region 6 Laboratory 6MD-HS					
Received by and Date	/				
Comments:					
The laboratory routinely disposes of samples 90 days hold these samples in custody longer than 90 days, pl	s after all analyses have been completed. If you have a need to lease sign below.				
Signature	Date				



Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T001-1001-100721-SW-1	1007032-01	Liquid	7/21/10 11:15	07/22/10 09:35
T001-1001-100721-SW-2	1007032-02	Liquid	7/21/10 11:15	07/22/10 09:35
T001-1002-100721-SW-1	1007032-03	Liquid	7/21/10 12:30	07/22/10 09:35
T001-1003-100721-SW-1	1007032-04	Liquid	7/21/10 13:45	07/22/10 09:35
T001-2414-100721-SW-1	1007032-05	Liquid	7/21/10 10:15	07/22/10 09:35
T005-1333-100721-SW-1	1007032-06	Liquid	7/21/10 10:55	07/22/10 09:35
T005-2327-100721-SW-1	1007032-07	Liquid	7/21/10 9:20	07/22/10 09:35
T007-0008-100721-SW-1	1007032-08	Liquid	7/21/10 11:00	07/22/10 09:35
T005-2331-100721-SW-1	1007032-09	Liquid	7/21/10 10:05	07/22/10 09:35
T005-2331-100721-SW-2	1007032-10	Liquid	7/21/10 10:05	07/22/10 09:35
T005-2338-100721-SW-1	1007032-11	Liquid	7/21/10 8:55	07/22/10 09:35
T007-0008-100721-SW-2	1007032-12	Liquid	7/21/10 11:00	07/22/10 09:35
T007-1328-100721-SW-1	1007032-13	Liquid	7/21/10 12:30	07/22/10 09:35
T007-1332-100721-SW-1	1007032-14	Liquid	7/21/10 11:45	07/22/10 09:35
T007-BG02-100721-SW-1	1007032-15	Liquid	7/21/10 15:08	07/22/10 09:35
T007-SG024-100721-SW-1	1007032-16	Liquid	7/21/10 9:55	07/22/10 09:35

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-01 Station ID: T001-100721-SW-1

Batch: B0G2201 Date Collected: 07/21/10 Sample Type: Liquid Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared A	Analyzed
Surr: DOSS-D34	165	T4-	95.0	50-150	07/22/10	07/22/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/22/10 07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-02 Station ID: T001-1001-100721-SW-2

Batch: B0G2201 Date Collected: 07/21/10 Sample Type: Liquid Sample Volume: 24 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	161		96.7	50-150	07/22/10	07/22/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	IJ		19.6	1	07/22/10	07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

1007032-03 Station ID: T001-1002-100721-SW-1 Lab ID:

Batch: B0G2201 Date Collected: 07/21/10 Sample Volume: 24 ml Sample Type: Liquid

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	163		97.8	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/22/10 07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-04 Station ID: T001-1003-100721-SW-1

Batch: B0G2201 Date Collected: 07/21/10 Sample Volume: 24 ml Sample Type: Liquid

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	159		95.7	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/22/10 07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-05 Station ID: T001-2414-100721-SW-1

Batch: B0G2201 Date Collected: 07/21/10 Sample Type: Liquid Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	170		97.8	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/22/10 07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-06

Batch: B0G2201 Date Collected: 07/21/10 Sample Type: Liquid Sample Volume: 23 ml

Sample Qualifiers:

Station ID: T005-1333-100721-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	170		98.0	50-150	07/22/10	07/22/10
		Targets				
Analyte (CAS Number)	Result	Analyte Qualifiers	Reporting		Prepared	Analyzed

Analyte (CAS Number)

Result Analyte Reporting Limit Dilution Prepared Analyzed Dioctyl sulfosuccinate, sodium salt (577-11-7)

U

20.0

1

07/22/10

07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

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DOSS by LC/MS/MS

Lab ID: 1007032-07

Batch: B0G2201 Sample Type: Liquid Date Collected: 07/21/10 Sample Volume: 23 ml

Sample Qualifiers:

Station ID: T005-2327-100721-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Ana	llyzed
Surr: DOSS-D34	160		91.9	50-150	07/22/10 07/	22/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Ana	ılyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	07/22/10 07/	22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-08 Station ID: T007-0008-100721-SW-1

Batch: B0G2201 Date Collected: 07/21/10 Sample Type: Liquid Sample Volume: 14 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	266		93.2	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/22/10 07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

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DOSS by LC/MS/MS

Lab ID: 1007032-09

Batch: B0G2201 Sample Type: Liquid Station ID: T005-2331-100721-SW-1

Date Collected: 07/21/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	163		93.6	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit		Prepared Analyzed

Dioctyl sulfosuccinate, sodium salt (577-11-7) 20.0 07/22/10 07/22/10 U

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-10 Station ID: T005-2331-100721-SW-2

Batch: B0G2201 Date Collected: 07/21/10 Sample Type: Liquid Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared A	Analyzed
Surr: DOSS-D34	151		86.7	50-150	07/22/10	07/22/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared .	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	IJ		20.0	1	07/22/10	07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-11

Batch: B0G2201 Sample Type: Liquid Station

Station ID: T005-2338-100721-SW-1

Date Collected: 07/21/10 Sample Volume: 23 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared A	Analyzed
Surr: DOSS-D34	180		104	50-150	07/22/10	07/22/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared A	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/22/10	07/22/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-12 Station ID: T007-0008-100721-SW-2

Batch: B0G2201 Date Collected: 07/21/10 Sample Type: Liquid Sample Volume: 42 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers		%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	86.7		91.1	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.8	1	07/22/10 07/22/10

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

1007032-13 Lab ID:

Batch: B0G2201 Date Collected: 07/21/10 Sample Volume: 42 ml Sample Type: Liquid

Sample Qualifiers:

Station ID: T007-1328-100721-SW-1

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	102		107	50-150	07/22/10	07/22/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	IJ		19.8	1	07/22/10	07/22/10

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

1007032-14 Lab ID:

Batch: B0G2201 Sample Type: Liquid

Station ID: T007-1332-100721-SW-1 Date Collected: 07/21/10 Sample Volume: 36 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	120		108	50-150	07/22/10	07/22/10
		Targets				
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	IJ		20.0	1	07/22/10	07/22/10

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-15

Batch: B0G2201 Sample Type: Liquid **Station ID: T007-BG02-100721-SW-1**

Date Collected: 07/21/10 Sample Volume: 34 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers		%Recovery Limits	Prepared Analyze
Surr: DOSS-D34	118		101	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyze
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/22/10 07/22/10

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1007032-16

Batch: B0G2201 Sample Type: Liquid Station ID: T007-SG024-100721-SW-1

Date Collected: 07/21/10 Sample Volume: 25 ml

Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared Analyzed
Surr: DOSS-D34	167		104	50-150	07/22/10 07/22/10
		Targets			
Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	07/22/10 07/22/10

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0G2201 Sample Type: Liquid

Blank (**B0G2201-BLK1**)

Prepared: 7/22/2010 Analyzed: 7/22/2010

Surrogates

	Result	Analyte	Spike		%REC
ANALYTE	μg/l	Qualifier	Level	%REC	Limits
Surr: DOSS-D34	173		200	86.7	50-150

Blank (**B0G2201-BLK1**)

Prepared: 7/22/2010 Analyzed: 7/22/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit	Spike Level	RPD RPD Limit
Dioctyl sulfosuccinate, sodium	U	20.0		
salt				

LCS (B0G2201-BS1)

Prepared: 7/22/2010 Analyzed: 7/22/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	189		200	94.4	50-150

LCS (B0G2201-BS1)

Prepared: 7/22/2010 Analyzed: 7/22/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit	Spike Level	%REC %REC Limits	RPD RPD Limit
Dioctyl sulfosuccinate, sodium salt	96.3	20.0	101	95.3 50-150	

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Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099 Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS - Quality Control

Batch: B0G2201 Sample Type: Liquid

Matrix Spike (B0G2201-MS1)

Source: 1007032-01 Prepared: 7/22/2010 Analyzed: 7/22/2010

Surrogates

ANALYTE	Result	Analyte	Spike	%REC
	µg/l	Qualifier	Level	%REC Limits
Surr: DOSS-D34	160		167	96.2 50-150

Matrix Spike (B0G2201-MS1)

Prepared: 7/22/2010 Analyzed: 7/22/2010 Source: 1007032-01

Targets

ANALYTE		Analyte Reporting Qualifiers Limit			%REC Limits	RPD RPD Limit
Dioctyl sulfosuccinate, sodium salt	83.6	19.6	84.2	92.4	50-150	

Matrix Spike (B0G2201-MS2)

Prepared: 7/22/2010 Analyzed: 7/22/2010 Source: 1007032-11

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	181		182	99.7	50-150

Matrix Spike (B0G2201-MS2)

Source: 1007032-11 Prepared: 7/22/2010 Analyzed: 7/22/2010

Targets

ANALYTE		Analyte Reporting Qualifiers Limit			%REC Limits	RPD RPD Limit
Dioctyl sulfosuccinate, sodium salt	98.2	20.0	91.8	104	50-150	

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Region 6 Laboratory

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DOSS by LC/MS/MS - Quality Control

Batch: B0G2201 Sample Type: Liquid

Matrix Spike Dup (B0G2201-MSD1)

Source: 1007032-01 Prepared: 7/22/2010 Analyzed: 7/22/2010

Surrogates

ANALYTE	Result	Analyte	Spike	%REC
	µg/l	Qualifier	Level	%REC Limits
Surr: DOSS-D34	168		174	96.8 50-150

Matrix Spike Dup (B0G2201-MSD1)

Prepared: 7/22/2010 Analyzed: 7/22/2010 Source: 1007032-01

Targets

ANALYTE		Analyte Reportin Qualifiers Limit			%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium	91.3	20.0	87.8	97.3	50-150	8.76	30

Matrix Spike Dup (B0G2201-MSD2)

Prepared: 7/22/2010 Analyzed: 7/22/2010 Source: 1007032-11

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	179		174	103	50-150

Matrix Spike Dup (B0G2201-MSD2)

Source: 1007032-11 Prepared: 7/22/2010 Analyzed: 7/22/2010

Targets

ANALYTE	Result µg/l	Analyte Reporting Qualifiers Limit			%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	93.0	20.0	87.8	103	50-150	5.42	30

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Fax:(281)983-2248

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Kristie Warr

713-985-6600

US EPA/Weston Venice, LA

CHAIN OF CUSTODY RECORD

R06 Deep H2O Horizon Reporting Lab: EPA Houston Lab

Lab_State: TX

No: T0001-100405-07/21/10-0669

Lab Address: 10625 Fallstone Rd Lab_City: Houston Lab_Zip: 77099

.ab#	Sample #	Analyses	Matrix	Collecti on Method	Collected	Sample Time	Numb Cont	Preservativ e	MS/MS D	Description
	T001-1001-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	11:15	6	4 C	Y	10
	T001-1001-100721-SW-2	DOSS	Surface Water	Grab	7/21/2010	11:15		4 C	N	~
	T001-1002-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	12:30		4 C	N	-
	T001-1003-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	13:45	2	4 C	N	_
	T001-2414-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	10:15		4 C	N	V

Special Instructions:

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Items/Reason Relinquished By Date

Sample Temp: 1°C



Special Instructions:

CHAIN OF CUSTODY RECORD R06_DeepWater_Chalmette Contact Name: Kristie Warr

Contact Phone: 713-985-6636

NO.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

No: T0033-100402-20100721-003

AirbillNo:

Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137

Lab#	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservativ e	MS/MS D
	T005-1333-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	10:55	2	40 ml VOA	4 C	N
	T005-2327-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	09:20	2	40 ml VOA	4 C	N
	T005-2331-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	10:05	2	40 ml VOA	4 C	N
	T005-2331-100721-SW-2	DOSS	Surface Water	Grab	7/21/2010	10:05	2	40 ml VOA	4 C	N
	T005-2338-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	08:55	6	40 ml VOA	4 C	Υ

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Lab # Sample #

Analyses

CHAIN OF CUSTODY RECORD

No: T0033-100402-20100721-003

R06_DeepWater_Chalmette

Collection Collected Sample

Lab: U.S, EPA Region 6 Laboratory Lab Phone: 281-983-2137

Preservativ MS/MS

Numb Cont Container

Contact Name: Kristie Warr Contact Phone: 713-985-6636

		Analyses	matrix	Method	Collected	Time	Nullio Cont	- Container	e	D
	T005-1333-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	10:55	2	40 ml VOA	4 C	N
	T005-2327-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	09:20	2	40 ml VOA	4 C	N
	T005-2331-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	10:05	2	40 ml VOA	4 C	N
	T005-2331-100721-SW-2	DOSS	Surface Water	Grab	7/21/2010	10:05	2	40 ml VOA	4 C	N
	T005-2338-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	08:55	6	40 ml VOA	4 C	Υ
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cial	Instructions:						SAMPLES TE		FROM	
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Region **Environmental Protection Agency** 0 Laboratory

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CHAIN OF CU TODY RECORD

No: T0033-100403-07/21/10-0239

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

Site # R06DW

Lab: U.S. EPA Region 6 Laboratory Lab Phone: 281-983-2137

Contact: Kristie Warr Phone: 713.985.6636

Special Instructions: Sample Coolers Custody Sealed upon receipt.

Lab#	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservativ e	MS/MS D
	T007-0008-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	11:00	2	40 ml VOA	4 C	N
	T007-0008-100721-SW-2	DOSS	Surface Water	Grab	7/21/2010	11:00	2	40 ml VOA	4 C	N
	T007-1328-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	12:30	2	40 ml VOA	4 C	N
	T007-1332-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	11:45	2	40 ml VOA	4 C	N
	T007-BG02-100721-SW-1	DOSS	Surface Water	Grab	7/21/2010	15:08	2	40 ml VOA	4 C	N
	T007-SG024-100721-SW-1	DOSS	Surface Water	rab	7/21/2010	09:55	2	40 ml VOA	4 C	N
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Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All	Patalfelil	7/21/10	lge,	1/4/3	18:3		Math. f.	7-22-10	Tsalah Harris	7/22/0	9:3:
	Upp. 7	12/10	Mak	7/21/10	2215						
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		1210	Must I	P3210	97	1					
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Notes and Definitions

Α This sample was extracted at a single acid pH.

HTS Sample was prepared and/or analyzed past recommended holding time. Concentrations should be

considered minimum values.

AES Atomic Emission Spectrometer

CVAA Cold Vapor Atomic Absorption

ECD Electron Capture Detector

GC Gas Chromatograph

GFAA Graphite Furnace Atomic Absorption

ICP Inductively Coupled Plasma

MS Mass Spectrometer

NA Not Applicable

NPD Nitrogen Phosphorous Detector

NR Not Reported

TCLP Toxicity Characteristic Leaching Procedure

Undetected U

Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds per square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.

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